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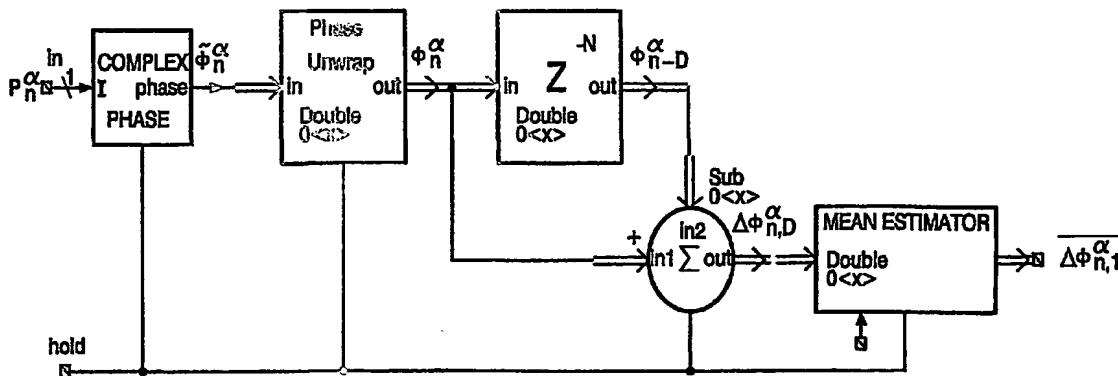
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(54) Title: METHOD FOR CANCELLING A NARROW-BAND INTERFERENCE SIGNAL



(57) Abstract: A method of canceling a narrow-band interference signal in a receiver is provided. A reference signal (ref_in) is subtracted from a received input signal (in). The phase of a result of the subtraction is calculated on the basis of an arctangent function. An unwrap function on the output signal from the arctangent function is performed by removing the modulo 2π limitation introduced with the arctangent function, in order to produce an absolute phase representation. A frequency offset is determined by comparing phase representation values which are shifted predetermined in time. The narrow-band interference signal is canceled based on the result of the determined frequency offset.

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